

CAMPUS® Datasheet

MOCOM

ALCOM LD2 PC 1000 16107 WT2641-15 - PC

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	UV stabilised
Special Features	light scattering
Market Segment	Automotive, Lighting
Application Area	lighting, light transparent components
Typical Applications	lamp covers, display elements, operating elements

Rheological properties

	Value	Unit	Test Standard
Melt volume-flow rate, MVR	6.5	cm ³ /10min	ISO 1133
Temperature	300	°C	ISO 1133
Load	1.2	kg	ISO 1133

Mechanical properties

	Value	Unit	Test Standard
Tensile modulus	2200	MPa	ISO 527-1/-2
Yield stress	63	MPa	ISO 527-1/-2
Yield strain	6	%	ISO 527-1/-2
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	124	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	142	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Other text information

Injection molding

Pre-Drying Conditions 120 °C in a dry air (dessicant) dryer for 2-4 h
120 °C in an air circulating dryer for 4-12 h
max. moisture content <0,02 %

Processing Injection Moulding melt temperature 270-310 °C
mould temperature 80-110 °C

Processing Extrusion melt temperature 240-280 °C

Storage dry, protected from light

Disclaimer

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions

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- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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